
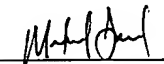


1771a U.S. PTO
09/10/03

UTILITY PATENT APPLICATION TRANSMITTAL <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No.: 21085.0053U5 First Inventor: TOWNES, Tim M. Title: TRANSGENIC ANIMALS THAT PRODUCE HUMAN HEMOGLOBIN Express Mail Label No.: el 992019005US		
APPLICATION ELEMENTS <small>See MPEP chapter 600 concerning utility application contents</small>		ADDRESS TO: Mail Stop PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450		
1. <input checked="" type="checkbox"/> Specification [Total Pages 59] <small>(Includes description, claims, and abstract)</small>		6. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large tables or Computer Program (Appendix)		
2. <input checked="" type="checkbox"/> Drawings [Total Sheets 16]		ACCOMPANYING APPLICATION PARTS: 7. <input checked="" type="checkbox"/> Copy of Assignment 8. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) 9. <input checked="" type="checkbox"/> Power of Attorney 10. <input type="checkbox"/> English Translation Document (if applicable) 11. <input type="checkbox"/> Information Disclosure Statement/PTO-1449 <input type="checkbox"/> Copies of IDS Citations [Total Citations ____] 12. <input checked="" type="checkbox"/> Preliminary Amendment 13. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed) 14. <input type="checkbox"/> Nonpublication Request under 35 USC 122(b)(2)(B)(i) (Must attach form PTO/SB/35 or equivalent). 15. <input checked="" type="checkbox"/> Authorization to Treat Reply Requiring Extension of Time as Incorporating Petition for Extension of Time 16. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) 17. <input checked="" type="checkbox"/> Other: <u>Copy of documents from parent application Serial No. 08/961,443 - Revocation and Substitute Power of Attorney; copy of Request for Extension of Time to maintain pendency</u>		
3. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages 3] a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 20B completed)				
4. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76 [Total Pages ____]				
5. <input checked="" type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) --OR-- <input checked="" type="checkbox"/> Statement under 37 CFR 1.821(e) (see Box 21 for statement) b. <input checked="" type="checkbox"/> Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input checked="" type="checkbox"/> paper [3 Pages] c. <input type="checkbox"/> The contents of the computer readable form of the sequence listing and the sequence listing in the specification of the application are the same.				
18. The FILING FEE is calculated as follows: (Claims as filed, less any claims cancelled by Amendment)				
Claims	Number Filed	Number Extra	Rate	\$750.00 (Basic Fee)
Total claims	[24] - 20 =	4	X \$18.00	\$ 72.00
Independent claims	[1] - 3 =	0	X \$84.00	\$
MULTIPLE DEPENDENT CLAIM(S) (if applicable) + 280.00				\$
TOTAL OF ABOVE CALCULATIONS =				\$822.00
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees are reduced by 1/2. -				\$411.00
TOTAL FILING FEE =				\$411.00
19. Payment: <input type="checkbox"/> A check in the amount of \$_____ is enclosed. <input checked="" type="checkbox"/> Credit Card Payment Form PTO-2038 Authorizing Payment in the amount of \$411.00 is enclosed. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional amount due or credit any overpayment to Deposit Account No. 14-0629.				

03940 U.S. PTO
 10/05/03
 09/10/03

20A.	<input type="checkbox"/>	This application is an original application (<u>not</u> a continuation, divisional or continuation-in-part).
20B.	<input checked="" type="checkbox"/>	<p>This application is a <input type="checkbox"/> continuation-in-part / <input checked="" type="checkbox"/> continuation / <input type="checkbox"/> divisional of prior Application No. 08/961,443.</p> <p>The prior application was assigned to Examiner D. Crouch , Group Art Unit 1632.</p> <p>The entire disclosure of the prior application is considered a part of the disclosure of the accompanying application and is hereby incorporated by reference.</p> <p><input checked="" type="checkbox"/> This application is a continuation or divisional application (<u>not</u> a continuation-in-part) that:</p> <ul style="list-style-type: none">(i) names as inventors the same or fewer than all the inventors named in the prior application; and(ii) contains no matter that would have been new matter in the prior application; and(iii) a copy of the executed oath or declaration in the prior application, showing the signature or an indication thereon that it was signed:<ul style="list-style-type: none"><input checked="" type="checkbox"/> is enclosed.<input type="checkbox"/> will follow. <p><input type="checkbox"/> This application is a continuation or divisional application (<u>not</u> a continuation-in-part) that is being filed by less than all the inventors named in the prior application. In accordance with 37 C.F.R. §1.63(d)(2), the Commissioner is requested to delete the name(s) of the following person who are not inventors of the invention being claimed in this application:</p> <p>_____</p> <p><input type="checkbox"/> This application is a continuation-in-part, continuation or divisional application naming an inventor not named in the prior application. A newly executed oath or declaration:</p> <ul style="list-style-type: none"><input type="checkbox"/> is enclosed.<input type="checkbox"/> will follow.
21.	<input checked="" type="checkbox"/>	<p>A sequence listing in computer readable form in compliance with 37 C.F.R. §§ 1.821-1.825 was submitted on April 30, 1999 in prior Application No. 08/961,443, filed 10/30/97.</p> <p>Pursuant to 37 C.F.R. § 1.821(e), applicant hereby requests that the computer readable form of the sequence listing submitted in the above-referenced prior application be used as the computer readable form of the sequence listing for the new application. The paper or compact disk copy of the Sequence Listing in the new application is identical to the computer readable copy filed in the prior application.</p>
22.	<input type="checkbox"/>	<p>This application claims foreign priority benefits under 35 USC 119(a)-(d) or 365(b) of any foreign application(s) listed below, or under 35 USC 365(a) or 365(b) of any PCT application listed below.</p> <p>Application No. _____ Country: _____ Day/Month/Year Filed: _____</p>
23. Address all correspondence to the address associated with: CUSTOMER NO. 23859		
Name of Attorney/Agent: David E. Huizenga		Registration No.: 49/026
Signature: 		Date: _____
Certificate of Express Mailing Under 37 C.F.R. § 1.10		
I hereby certify that this correspondence, including any items indicated as attached or included, is being deposited with the United States Postal Service as Express Mail, Label No. EL 992019005US, in an envelope addressed to: Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.		
 _____ Michael Laird		9/10/03 _____ Date

ATTORNEY DOCKET NO. 21085.0053U5
SERIAL NO. Unassigned

CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10

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Michael Laird

9/10/03

Date

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	
)	
Townes et al.)	
)	
Serial No. 08/961,443)	Group Art Unit: 1632
)	
Filed: October 30, 1997)	Examiner: Crouch, D.
)	
For: TRANSGENIC ANIMALS THAT)	
PRODUCE HUMAN HEMOGLOBIN)	

REQUEST FOR EXTENSION OF TIME

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.
Customer No. 23859

September 10, 2003

Sir:

It is respectfully requested that an extension of time for the period indicated below be granted in accordance with the provisions of 37 C.F.R. Section to maintain pendency of the application identified in the caption for the filing of a continuation application:

_____	One Month	\$110.00	(\$ 55.00)*
_____	Two Months	\$410.00	(\$205.00)*
_____X_____	Three Months	\$930.00	(\$465.00)*
_____	Four Months	\$1,450.00	(\$725.00)*
_____	Five Months	\$1,970.00	(\$985.00)*

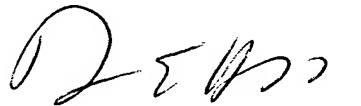
* Small Entity

ATTORNEY DOCKET NO. 05118.0007U4
SERIAL NO. 08/961,443

Payment in the amount of \$465.00 is to be charged to a credit card and such payment is authorized by the signed, enclosed document entitled: Credit Card Payment Form PTO-2038. This amount is believed to be correct; however, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.




David E. Huizenga
Registration No. 49,026

NEEDLE & ROSENBERG, P.C.
Customer No. 23859
678/420-9300 PHONE
678/420-9301 FAX

CERTIFICATE OF MAILING

I hereby certify that this correspondence and anything indicated as attached or enclosed is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop AF, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.


David E. Huizenga

September 10, 2003
Date

ATTORNEY DOCKET NO. 21085.0053U5
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)	
)	
Townes et al.)	Art Unit: Unassigned
)	
Application No. Unassigned)	Examiner: Unassigned
(Continuation of Ser. No. 08/961,443,)	
Filed 10/30/97))	Confirmation No. Unassigned
)	
Filing Date: September 9, 2003)	
)	
For: TRANSGENIC ANIMALS THAT)	
PRODUCE HUMAN HEMOGLOBIN)	

AUTHORIZATION TO TREAT REPLY REQUIRING EXTENSION OF TIME
AS INCORPORATING PETITION FOR EXTENSION OF TIME

Mail Stop PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

NEEDLE & ROSENBERG, P.C.
Customer Number 23859

Sir:

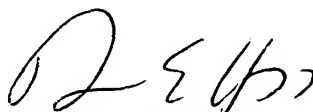
Pursuant to 37 C.F.R. §1.136(a)(3), the Commissioner is hereby requested and authorized to treat any concurrent or future reply in the above-identified application, requiring a petition for an extension of time for its timely submission, as incorporating a petition for extension of time for the appropriate length of time.

ATTORNEY DOCKET NO. 21085.0053U5
Application No. Unassigned

The Commissioner is hereby authorized to charge any additional amount which may be required, or credit any overpayment to Deposit Account No. 14-0629.

Respectfully submitted,

NEEDLE & ROSENBERG, P.C.

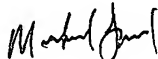


David E. Huizenga
Registration No. 49,026

NEEDLE & ROSENBERG, P.C.
Customer Number 23859
(678) 420-9300
(678) 420-9301 (fax)

CERTIFICATE OF EXPRESS MAILING UNDER 37 C.F.R. § 1.10

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Michael Laird

9/10/03

Date